

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re United States Patent Application of:)	
Applicant: Trogolo et al.)	
Serial No.: 10/032,370)	Examiner: Ebrahim, Nabila G.
Filed: December 21, 2001)	Art Group: 1618
Title: High Aspect Ratio Encapsulated Inorganic Antimicrobial Additive for Controlled Release)	

**DECLARATION OF JEFFREY A. TROGOLO
PURSUANT TO 37 CFR 1.132**

I, Jeffrey A. Trogolo, hereby declare as follows:

I am Chief Technology Officer for AgION Technologies, Inc. and have held this position, in AgION Technologies, Inc. and its predecessor entities, since February of 1998.

I hold a Ph.D. in Materials Science and a B.S. in Materials Engineering from Rensselaer Polytechnic Institute in Troy, NY. I have published more than 10 papers in various journals including the Journal of Materials Science, the Proceedings of the Society for Biomaterials and the Proceedings of the Materials Research Society.

I have more than ten years experience in the field of antimicrobial modification of polymers and continue to have a hands-on research role investigating the capabilities and mode of activity of antimicrobial agents, especially the AgION silver zeolite antimicrobial agent, in various polymer compositions and coatings.

I am a co-inventor of the invention disclosed in and embraced by the claims of the above-referenced pending US patent application. This Declaration is submitted in support of the unexpected and marked improved results attainable with the claimed high aspect ratio encapsulated inorganic antimicrobial additives. I hereby affirm that all experiments presented herein were conducted by me or under my direct supervision.

Particle Size Effect

In the course of our work, we found that the particle size of the encapsulated antimicrobial agent had a strong effect on the ion release of a polymer material in which the particles were incorporated.